

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/553,051

Source: FWO

Date Processed by STIC: 8/29/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/553,051

CRF Edit Date: 8/29/06
Edited by: AZ

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

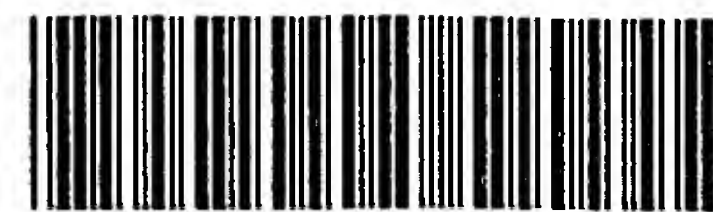
____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

✓ Deleted: ✓ invalid beginning/end-of-file text ; ____ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

____ Moved responses to same line as heading/numeric identifier, specifically:

✓ Other: Sequence 2 - deleted "543" under amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 08/29/2006

PATENT APPLICATION: US/10/553,051

TIME: 10:29:48

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08292006\J553051.raw

3 <110> APPLICANT: Japan Science and Technology Agency
 5 <120> TITLE OF INVENTION: Mouse Deficient In Glutamate Transporter GLAST Function
 7 <130> FILE REFERENCE: G05-0071
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/553,051
 C--> 9 <141> CURRENT FILING DATE: 2005-10-12
 9 <150> PRIOR APPLICATION NUMBER: JP2003-114793
 10 <151> PRIOR FILING DATE: 2003-04-18
 12 <160> NUMBER OF SEQ ID NOS: 2
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 1629
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Mouse
 19 <400> SEQUENCE: 1
 20 atgaccaaaa gcaacggaga agagcctagg atgggggggca ggatggagag attgcagcaa 60
 21 ggggtccgca agcggacact tctggccaag aagaaagtcc agagcctcac caaggaagat 120
 22 gttaagagtt acctgtttcg gaatgccttc gttctgctca cggtcactgc tgtcattgtg 180
 23 ggtacaatcc ttggatttgc cctccgaccg tataaaatga gctaccggga ggtgaagtac 240
 24 ttttcgttcc ctggggagct tctcatgagg atgctgcaga tgctgggtctt gccctgatc 300
 25 atctccagtc tcgtcacagg aatggcgggc ctagatagta aggcattccg gaagatgggg 360
 26 atgcgcgctg tagtctatta catgactact accatcattg ctgtgggtgat tggcataatc 420
 27 attgtcatca tcatccaccc cggaaagggc acaaaggaaa acatgtacag agaaggtaaa 480
 28 atcgtgcagg tcatgcagc agatgccttc ctggatttga tcaggaaacat gttccctccc 540
 29 aatctggtag aagcctgctt taaacagttt aaaaccagct acgagaaaag aagctttaaa 600
 30 gtgcctatcc agtccaacga aacacttctg ggcgccgtga tcaacaacgt gtcagaggcc 660
 31 atggagactc tgacccggat ccgggaggag atggtgcccg tgcctggatc tgtgaatggg 720
 32 gtcaatgccc tgggcctagt tgtcttctcc atgtgcttcg gtttcgtgat cggaaacatg 780
 33 aaggagcagg ggcaagcgct gagagagtcc tttgattctc ttaacgaagc catcatgcga 840
 34 ttggtcgcgg tgataatgtg gtatgcgcct ctgggcatcc tcttcttgat cgcagggaag 900
 35 attgttgaga tggaagacat ggggtgtgatt gggggacagc ttgccatgta caccgtgaca 960
 36 gtcattgtcg gcctcctcat tcacgccgtc atcgtcctgc ctctcctcta ctccctggta 1020
 37 acccggaaga acccctgggt tttcatttga ggggttgctgc aagcgtcat cacagccctt 1080
 38 gggacctcct caagttctgc caccctaccc atcactttca agtgcctgga agagaacaat 1140
 39 ggtgtggaca aacgcatcac cagatttgtg ctccccgtgg gggccaccat taacatggat 1200
 40 gggaccgccc tctacgaggc tttggctgcc attttcatcg ctcaagtga caactttgac 1260
 41 ctgaactttg gacagattat aacaataagc atcacagcca cggccgcaag catcggggca 1320
 42 gccgggattc ctgaggccgg tctggtcacc atggtcatcg tgctgacatc tgtgggcctg 1380
 43 cccacagatg acatcacact catcattgca gtggactggg ttctggaccg cctccgaacc 1440
 44 accaccaacg tactgggtga ctccctcgga gcagggattg tcgagcactt gtcccgaacat 1500
 45 gaactgaaga accgagatgt tgaaatgggg aactcggtga ttgaggagaa cgaaatgaag 1560
 46 aagccgtatc agctgattgc ccaggacaat gaaccggaga aaccctgggc agacagcgaa 1620
 47 accaagatg 1629
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 543

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08292006\J553051.raw

51 <212> TYPE: PRT

52 <213> ORGANISM: Mouse

54 <400> SEQUENCE: 2

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55 Met Thr Lys Ser Asn Gly Glu Glu Pro Arg Met Gly Gly Arg Met Glu
56 1          5          10          15
57 Arg Leu Gln Gln Gly Val Arg Lys Arg Thr Leu Leu Ala Lys Lys Lys
58          20          25          30
59 Val Gln Ser Leu Thr Lys Glu Asp Val Lys Ser Tyr Leu Phe Arg Asn
60          35          40          45
61 Ala Phe Val Leu Leu Thr Val Thr Ala Val Ile Val Gly Thr Ile Leu
62          50          55          60
63 Gly Phe Ala Leu Arg Pro Tyr Lys Met Ser Tyr Arg Glu Val Lys Tyr
64 65          70          75          80
65 Phe Ser Phe Pro Gly Glu Leu Leu Met Arg Met Leu Gln Met Leu Val
66          85          90          95
67 Leu Pro Leu Ile Ile Ser Ser Leu Val Thr Gly Met Ala Ala Leu Asp
68          100          105          110
69 Ser Lys Ala Ser Gly Lys Met Gly Met Arg Ala Val Val Tyr Tyr Met
70          115          120          125
71 Thr Thr Thr Ile Ile Ala Val Val Ile Gly Ile Ile Ile Val Ile Ile
72          130          135          140
73 Ile His Pro Gly Lys Gly Thr Lys Glu Asn Met Tyr Arg Glu Gly Lys
74 145          150          155          160
75 Ile Val Gln Val Thr Ala Ala Asp Ala Phe Leu Asp Leu Ile Arg Asn
76          165          170          175
77 Met Phe Pro Pro Asn Leu Val Glu Ala Cys Phe Lys Gln Phe Lys Thr
78          180          185          190
79 Ser Tyr Glu Lys Arg Ser Phe Lys Val Pro Ile Gln Ser Asn Glu Thr
80          195          200          205
81 Leu Leu Gly Ala Val Ile Asn Asn Val Ser Glu Ala Met Glu Thr Leu
82          210          215          220
83 Thr Arg Ile Arg Glu Glu Met Val Pro Val Pro Gly Ser Val Asn Gly
84 225          230          235          240
85 Val Asn Ala Leu Gly Leu Val Val Phe Ser Met Cys Phe Gly Phe Val
86          245          250          255
87 Ile Gly Asn Met Lys Glu Gln Gly Gln Ala Leu Arg Glu Phe Phe Asp
88          260          265          270
89 Ser Leu Asn Glu Ala Ile Met Arg Leu Val Ala Val Ile Met Trp Tyr
90          275          280          285
91 Ala Pro Leu Gly Ile Leu Phe Leu Ile Ala Gly Lys Ile Val Glu Met
92          290          295          300
93 Glu Asp Met Gly Val Ile Gly Gly Gln Leu Ala Met Tyr Thr Val Thr
94 305          310          315          320
95 Val Ile Val Gly Leu Leu Ile His Ala Val Ile Val Leu Pro Leu Leu
96          325          330          335
97 Tyr Phe Leu Val Thr Arg Lys Asn Pro Trp Val Phe Ile Gly Gly Leu
98          340          345          350
99 Leu Gln Ala Leu Ile Thr Ala Leu Gly Thr Ser Ser Ser Ser Ala Thr
100          355          360          365

```

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08292006\J553051.raw

```

101 Leu Pro Ile Thr Phe Lys Cys Leu Glu Glu Asn Asn Gly Val Asp Lys
102      370                      375                      380
103 Arg Ile Thr Arg Phe Val Leu Pro Val Gly Ala Thr Ile Asn Met Asp
104 385                      390                      395                      400
105 Gly Thr Ala Leu Tyr Glu Ala Leu Ala Ala Ile Phe Ile Ala Gln Val
106                      405                      410                      415
107 Asn Asn Phe Asp Leu Asn Phe Gly Gln Ile Ile Thr Ile Ser Ile Thr
108                      420                      425                      430
109 Ala Thr Ala Ala Ser Ile Gly Ala Ala Gly Ile Pro Gln Ala Gly Leu
110                      435                      440                      445
111 Val Thr Met Val Ile Val Leu Thr Ser Val Gly Leu Pro Thr Asp Asp
112      450                      455                      460
113 Ile Thr Leu Ile Ile Ala Val Asp Trp Phe Leu Asp Arg Leu Arg Thr
114 465                      470                      475                      480
115 Thr Thr Asn Val Leu Gly Asp Ser Leu Gly Ala Gly Ile Val Glu His
116                      485                      490                      495
117 Leu Ser Arg His Glu Leu Lys Asn Arg Asp Val Glu Met Gly Asn Ser
118                      500                      505                      510
119 Val Ile Glu Glu Asn Glu Met Lys Lys Pro Tyr Gln Leu Ile Ala Gln
120                      515                      520                      525
121 Asp Asn Glu Pro Glu Lys Pro Val Ala Asp Ser Glu Thr Lys Met
122      530                      535                      540

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/553,051

DATE: 08/29/2006

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Input Set : A:\PTO.AMC.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,051

DATE: 08/24/2006

TIME: 15:02:52

Input Set : A:\23312-118sequence.txt

Output Set: N:\CRF4\08242006\J553051.raw

3 <110> APPLICANT: Japan Science and Technology Agency
 5 <120> TITLE OF INVENTION: Mouse Deficient In Glutamate Transporter GLAST Function
 7 <130> FILE REFERENCE: G05-0071
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/553,051
 C--> 9 <141> CURRENT FILING DATE: 2005-10-12
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 21 ggggtccgca agcggacact tctggccaag aagaaagttc agagcctcac caaggaagat 120
 22 gttaagagtt acctgtttcg gaatgccttc gttctgctca cggtcactgc tgtcattgtg 180
 23 ggtacaatcc ttggatttgc cctccgaccg tataaaatga gctaccggga ggtgaagtac 240
 24 ttttcgttcc ctggggagct tctcatgagg atgctgcaga tgctgggtctt gccctgatc 300
 25 atctccagtc tcgtcacagg aatggcggcc ctagatagta aggcacccgg gaagatgggg 360
 26 atgcgcgctg tagtctatta catgactact accatcattg ctgtgggtgat tggcataatc 420
 27 attgtcatca tcatccaccc cggaaagggc acaaaggaaa acatgtacag agaaggtaaa 480
 28 atcgtgcagg tcatcgcagc agatgccttc ctggatttga tcaggaacat gttccctccc 540
 29 aatctggtag aagcctgctt taaacagttt aaaaccagct acgagaaaag aagcttttaa 600
 30 gtgcctatcc agtccaacga aacacttctg ggcgccgtga tcaacaacgt gtcagaggcc 660
 31 atggagactc tgacccggat ccgggaggag atgggtgccc tgccctggatc tgtgaatggg 720
 32 gtcaatgccc tgggcctagt tgtcttctcc atgtgcttcg gtttcgtgat cggaaacatg 780
 33 aaggagcagg ggcaagcgct gagagagttc tttgattctc ttaacgaagc catcatgcga 840
 34 ttggtcgcgg tgataatgtg gtatgcgcct ctgggcatcc tcttcttgat cgcagggaag 900
 35 attgttgaga tggaagacat ggggtgtgatt gggggacagc ttgccatgta caccgtgaca 960
 36 gtcattgtcg gcctcctcat tcacgcgcgc atcgtcctgc ctctcctcta ctctcctgga 1020
 37 acccgaaga acccctgggt tttcattgga ggggtgctgc aagcgctcat cacagccctt 1080
 38 gggacctcct caagttctgc caccctaccc atcactttca agtgcctgga agagaacaat 1140
 39 ggtgtggaca aacgcatcac cagatttgtg ctccccgtgg gggccaccat taacatggat 1200
 40 gggaccgccc tctacgaggc tttggctgcc attttcatcg ctcaagtga caactttgac 1260
 41 ctgaactttg gacagattat aacaataagc atcacagcca cggccgcaag catcggggca 1320
 42 gccgggattc ctcaggccgg tctggtcacc atgggtcatcg tgctgacatc tgtgggcctg 1380
 43 cccacagatg acatcacact catcattgca gtggactggt ttctggaccg cctccgaacc 1440
 44 accaccaacg tactgggtga ctccctcgga gcagggattg tcgagcactt gtcccgaacat 1500
 45 gaactgaaga accgagatgt tgaaatgggg aactcgggtga ttgaggagaa cgaaatgaag 1560
 46 aagccgtatc agctgattgc ccaggacaat gaaccggaga aaccctgggc agacagcgaa 1620
 47 accaagatg 1629
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 543

P.3

Does Not Comply
Corrected Diskette Needed

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52 <213> ORGANISM: Mouse

54 <400> SEQUENCE: 2

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56 1          5          10          15
57 Arg Leu Gln Gln Gly Val Arg Lys Arg Thr Leu Leu Ala Lys Lys Lys
58          20          25          30
59 Val Gln Ser Leu Thr Lys Glu Asp Val Lys Ser Tyr Leu Phe Arg Asn
60          35          40          45
61 Ala Phe Val Leu Leu Thr Val Thr Ala Val Ile Val Gly Thr Ile Leu
62          50          55          60
63 Gly Phe Ala Leu Arg Pro Tyr Lys Met Ser Tyr Arg Glu Val Lys Tyr
64 65          70          75          80
65 Phe Ser Phe Pro Gly Glu Leu Leu Met Arg Met Leu Gln Met Leu Val
66          85          90          95
67 Leu Pro Leu Ile Ile Ser Ser Leu Val Thr Gly Met Ala Ala Leu Asp
68          100         105         110
69 Ser Lys Ala Ser Gly Lys Met Gly Met Arg Ala Val Val Tyr Tyr Met
70          115         120         125
71 Thr Thr Thr Ile Ile Ala Val Val Ile Gly Ile Ile Ile Val Ile Ile
72          130         135         140
73 Ile His Pro Gly Lys Gly Thr Lys Glu Asn Met Tyr Arg Glu Gly Lys
74 145         150         155         160
75 Ile Val Gln Val Thr Ala Ala Asp Ala Phe Leu Asp Leu Ile Arg Asn
76          165         170         175
77 Met Phe Pro Pro Asn Leu Val Glu Ala Cys Phe Lys Gln Phe Lys Thr
78          180         185         190
79 Ser Tyr Glu Lys Arg Ser Phe Lys Val Pro Ile Gln Ser Asn Glu Thr
80          195         200         205
81 Leu Leu Gly Ala Val Ile Asn Asn Val Ser Glu Ala Met Glu Thr Leu
82          210         215         220
83 Thr Arg Ile Arg Glu Glu Met Val Pro Val Pro Gly Ser Val Asn Gly
84 225         230         235         240
85 Val Asn Ala Leu Gly Leu Val Val Phe Ser Met Cys Phe Gly Phe Val
86          245         250         255
87 Ile Gly Asn Met Lys Glu Gln Gly Gln Ala Leu Arg Glu Phe Phe Asp
88          260         265         270
89 Ser Leu Asn Glu Ala Ile Met Arg Leu Val Ala Val Ile Met Trp Tyr
90          275         280         285
91 Ala Pro Leu Gly Ile Leu Phe Leu Ile Ala Gly Lys Ile Val Glu Met
92          290         295         300
93 Glu Asp Met Gly Val Ile Gly Gly Gln Leu Ala Met Tyr Thr Val Thr
94 305         310         315         320
95 Val Ile Val Gly Leu Leu Ile His Ala Val Ile Val Leu Pro Leu Leu
96          325         330         335
97 Tyr Phe Leu Val Thr Arg Lys Asn Pro Trp Val Phe Ile Gly Gly Leu
98          340         345         350
99 Leu Gln Ala Leu Ile Thr Ala Leu Gly Thr Ser Ser Ser Ser Ala Thr
100         355         360         365

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```

101 Leu Pro Ile Thr Phe Lys Cys Leu Glu Glu Asn Asn Gly Val Asp Lys
102      370      375      380
103 Arg Ile Thr Arg Phe Val Leu Pro Val Gly Ala Thr Ile Asn Met Asp
104 385      390      395      400
105 Gly Thr Ala Leu Tyr Glu Ala Leu Ala Ala Ile Phe Ile Ala Gln Val
106      405      410      415
107 Asn Asn Phe Asp Leu Asn Phe Gly Gln Ile Ile Thr Ile Ser Ile Thr
108      420      425      430
109 Ala Thr Ala Ala Ser Ile Gly Ala Ala Gly Ile Pro Gln Ala Gly Leu
110      435      440      445
111 Val Thr Met Val Ile Val Leu Thr Ser Val Gly Leu Pro Thr Asp Asp
112      450      455      460
113 Ile Thr Leu Ile Ile Ala Val Asp Trp Phe Leu Asp Arg Leu Arg Thr
114 465      470      475      480
115 Thr Thr Asn Val Leu Gly Asp Ser Leu Gly Ala Gly Ile Val Glu His
116      485      490      495
117 Leu Ser Arg His Glu Leu Lys Asn Arg Asp Val Glu Met Gly Asn Ser
118      500      505      510
119 Val Ile Glu Glu Asn Glu Met Lys Lys Pro Tyr Gln Leu Ile Ala Gln
120      515      520      525
121 Asp Asn Glu Pro Glu Lys Pro Val Ala Asp Ser Glu Thr Lys Met
122      530      535      540
124 WASH_1478687.1

```

number the amino acids
under every 5 amino acids

VERIFICATION SUMMARY

DATE: 08/24/2006

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Input Set : A:\23312-118sequence.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date